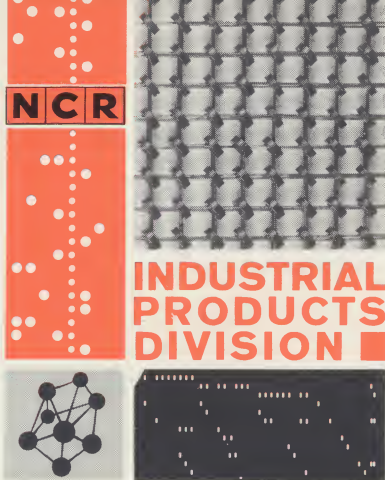




EM-F121/F122 MAGNETIC TAPE UNIT



The EM-F121/F122 Magnetic Tape Unit is a (magnetic tape) handler designed as an external magnetic storage device for an Electronic Data Processor in those installations which do not require high transfer rates. With a lower transfer rate, a significant reduction in cost is realized without any sacrifice of reliability. Reliability of the EM-F121/F122 is further enhanced by the exclusive use of solid state circuits throughout.

There are two types of moderate speed magnetic tape handlers available, the EM-F121 Master Tape Handler and the EM-F122 Slave Tape Handler. One Master and up to four slaves are formed into a cluster. One Master can work alone or control up to four Slaves. The Master and the Slave are mounted in identical cabinets, the only apparent difference from the outside of the cabinets is the control panels. The Master has two more controls than that of the Slave.

Access to the decks (EM-F1) during normal operation is through a glass door at the upper front of the EM-F121/F122, and operation of the magnetic tape reel servos may be observed with the door closed. Access to the interior of the machines is provided by a flush mounted

door which covers the entire back of the cabinet and another door at the lower front of the cabinet. These doors may be equipped with either locks or latches, depending upon the local electrical codes in the different areas of installation.

The main elements of the EM-F121/F122 Magnetic Tape Unit are the tape decks which move the magnetic tape across the magnetic Read/Write Head, and the logic circuits which interpret and transmit the information to and from the Processor. Both the Master and the Slave have identical tape decks, but only the Master has the complete logic necessary to read and write on magnetic tape.

The EM-F331 and EM-F332 have the same characteristics as the EM-F121 and EM-F122, except the units are capable of reading and writing at a higher density.



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PHYSICAL CHARACTERISTICS:

Dimensions:	61" high, 24" wide, 19" deep.
Tape Size:	2400 ft. reels, 1/2" wide, .0015" thick.
Tape Speed:	60 IPS forward and reverse, 275 IPS rewind.
Recording Density:	EMF121, EMF122, 200bpi, EMF331, EMF332, 200bip and 556bpi.
Recording Format:	7 Channel
Start Time:	7.6 ms, .234 to .356 inches
Stop Time:	7 ms, .080 to .220 inches
Compatibility:	IBM
Input Control and Data Lines:	Select Tape Unit, Forward, Reverse, Rewind, Use Lockout, Set Write Status, Clean Write Status, Clear Write Flip-Flop, Logical Disconnect, Control Unit Ready, 7 Recording Track Lines, Write Clock.
Output Control and Data Lines:	Outputs from 7 tape channels, Read Clock, Use Lockout Set, Rewinding, Write Status set, Unit Selected (even parity), Unit Selected (odd parity), Write Lockout, Load Point, Destination Warning Marker, Trailer, Tape Malfunction, Assignment Error.
Logic Levels:	-8 volts and Ground.